

Description

Subroutine EVAC07 is the seventh accumulator routine.

It finds the number of days until the time series gets above (or below) the specified criteria value. The time series data is converted to mean daily values if the output variable option is negative. This indicates that there are at least two time series in the ESP analysis for this segment and that: 1.) they are not instantaneous and 2.) the time scales or time intervals are not the same.

Calling Sequence

CALL EVAC07 (a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
a	Input	I*4	1	First Julian day to be accumulated
b	Input	I*4	1	First Julian hour to be accumulated
c	Input	I*4	1	Last Julian day to be accumulated
d	Input	I*4	1	Last Julian hour to be accumulated
e	Input	R*4	*	Array D containing the time series data
f	Input	R*4	*	Accumulator array; the first element is the number of days. This number is set equal to missing (-999.) until the criteria is met
g	Input	I*4	1	Number of days already accumulated for this time series
h	Input	I*4	1	Number of hours already accumulated for this time series
i	Input	A8	1	Time series identifier
j	Input	A4	1	Time series data type code

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
k	Input	I*4	1	Time series data time interval
l	Input	I*4	1	Number of values per time interval
m	Input	A4	1	Time series time scale code
n	Input	I*4	1	Value of interest (needed for multi-valued time series)
o	Both	R*4	1	Carryover value used only when p is negative indicating mean daily values are computed; it contains the sum of the data for the last day; if computations end at hour 24, then this value is reset to zero
p	Input	I*4	1	Output variable option: 1 = check when time series gets above criteria 2 = check when time series gets below criteria If negative then mean daily values are to be computed
q	Input	R*4	1	Cutoff level for output variable (criteria value)
r	Input	R*4	*	Work space array
s	Input	I*4	1	Length of work space array